User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/02/2002 Time: 15:40:28

Sample: AD28164
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/2/02 15:38 Ended: 1/2/02 15:38 Analyst: MG
Page: 1

	Component Name	Viol	Result	MDL
1	Other unknown compounds		see comment	
2	Surr_2,4-DDD			5.0

:omments for Sample AD28164 - Analysis $GCMS

Vestchester Dept. of Labs & Research
Jser: Galos, Marie
)ate: 01-02-2002 Time: 15:40:41

\ scan of the extract prepared for the 508 analysis, from 35-550 amu using a
1ass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\28164.D Vial: 14
Acq On : 22 Dec 2001 5:46 am Operator: GALOS
Sample : gcms unknown 11/23 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 28 9:42 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.79	152	928572	20.00	ng/uL	-0.15
19) Naphthalene-d8	15.40	136	3683572	20.00	ng/uL	-0.15
31) Acenaphthene-d10	20.67	164	1637701m	20.00	ng/uL	-0.15
49) Phenanthrene-d10	25.08	188	2473699	20.00	ng/uL	-0.16
59) Chrysene-d12	33.09	240	1735470	20.00	ng/uL	-0.16
68) Perylene-d12	37.16	264	1117743	20.00	ng/uL	-0.18
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery =	0.00%#		
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery =	0.00%#		
6) 2-Chlorophenol-d4	11.79	132	922	0.01	ng/uL	0.36
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.01%#		
7) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ng/uL	
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng/uL	
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.00%#		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery =	0.00%#		
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount 50.000	Range 58 - 98		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitrosodimethylamine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		

(#) = qualifier out of range (m) = manual integration

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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
17)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	
18)	Hexachloroethane	0.00	117	0	N.D.	
21)	Nitrobenzene	0.00	77	0	N.D.	
22)	Isophorone	0.00	82	0	N.D.	
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	0.00	107	0	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	0.00	128	0	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	d
39)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	0.00	65	0	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	22.17	149	284	N.D.	
46)	4-Chlorophenylphenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	0.00	178	0	N.D.	
56)	Anthracene	0.00	178	0	N.D.	
57)	Di-n-butylphthalate	27.06	149	4250	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	

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Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	31.57	149	1194	N.D.	
65)	Benzo(a)anthracene	33.09	228	4254	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.35	149	8586	N.D.	
67)	Chrysene	33.09	228	4254	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.17	252	3600	N.D.	
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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Quantitation Report

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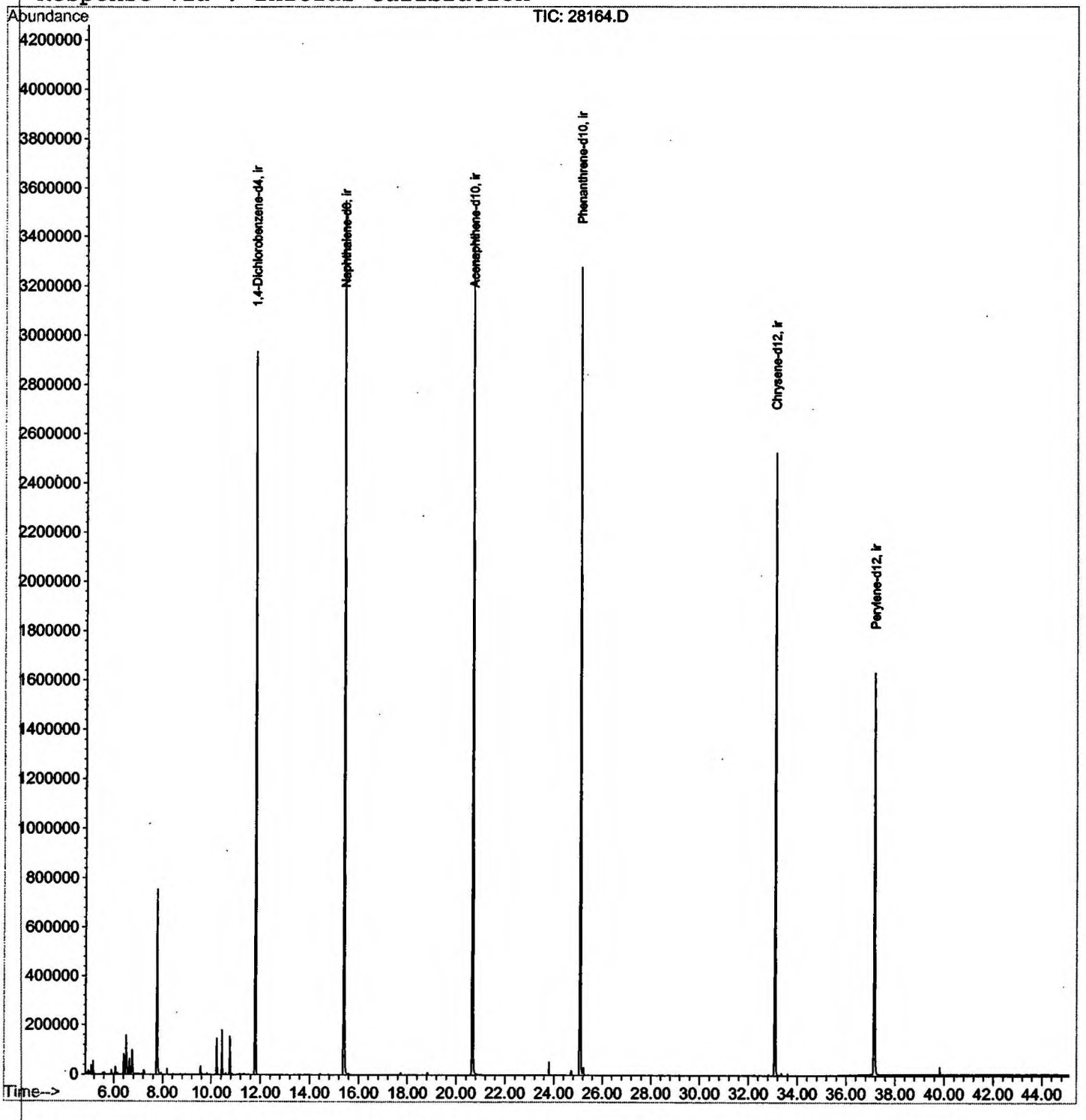
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28164.D Vial: 14
Acq On : 22 Dec 2001 5:46 am Operator: GALOS
Sample : gcms unknown 11/23 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

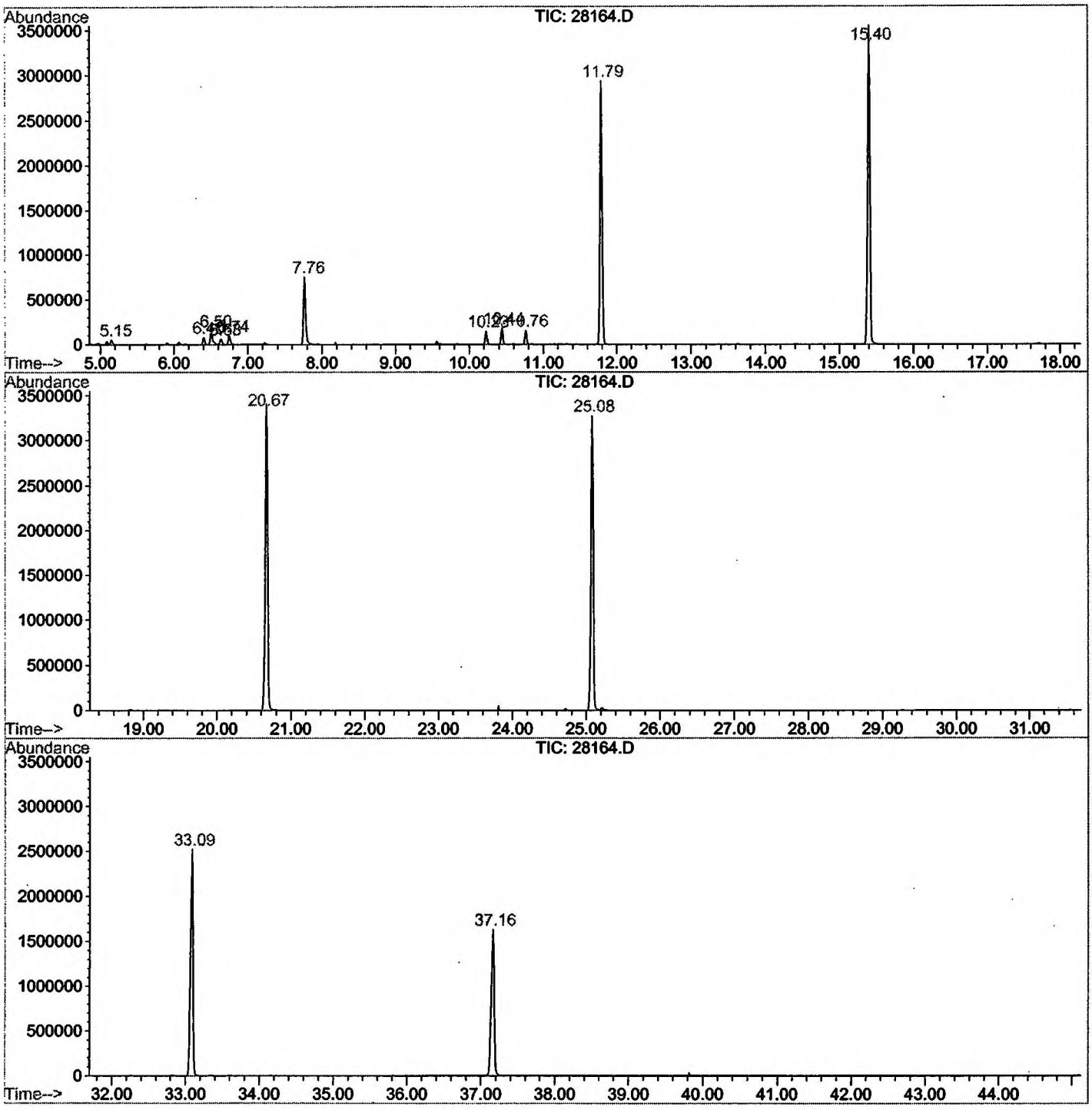
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.148	30	33	43	rVB	54279	99695	1.31%	0.241%
2	6.404	163	170	176	rBV	81927	153338	2.01%	0.371%
3	6.505	176	181	191	rVV	156559	339078	4.46%	0.820%
4	6.633	191	195	203	rVB	63375	122847	1.61%	0.297%
5	6.743	203	207	218	rBV	98387	200995	2.64%	0.486%
6	7.761	314	318	331	rBV	755684	1493059	19.62%	3.611%
7	10.228	583	587	593	rVB	146472	245534	3.23%	0.594%
8	10.439	605	610	618	rBV	180724	306842	4.03%	0.742%
9	10.760	641	645	650	rBV	154370	270070	3.55%	0.653%
10	11.787	752	757	768	rVB	2936204	5826981	76.57%	14.093%
11	15.400	1144	1151	1167	rBV	3549230	7609978	100.00%	18.405%
12	20.672	1718	1726	1741	rBV	3405999	7452132	97.93%	18.024%
13	25.083	2199	2207	2218	rBV2	3276132	7097907	93.27%	17.167%
14	33.089	3073	3080	3092	rBV2	2522951	5767329	75.79%	13.949%
15	37.160	3515	3524	3538	rBV2	1627851	4360555	57.30%	10.546%

Sum of corrected areas: 41346340

28164.D NP112701.M Fri Dec 28 09:56:13 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC2101\28164.D
Operator : GALOS
Acquired : 22 Dec 2001 5:46 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/23
Misc Info :
Vial Number: 14
Quant File :NP112701.RES (RTE Integrator)



28164.D NP112701.M Fri Dec 28 09:56:15 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28164.D Vial: 14
Acq On : 22 Dec 2001 5:46 am Operator: GALOS
Sample : gcms unknown 11/23 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

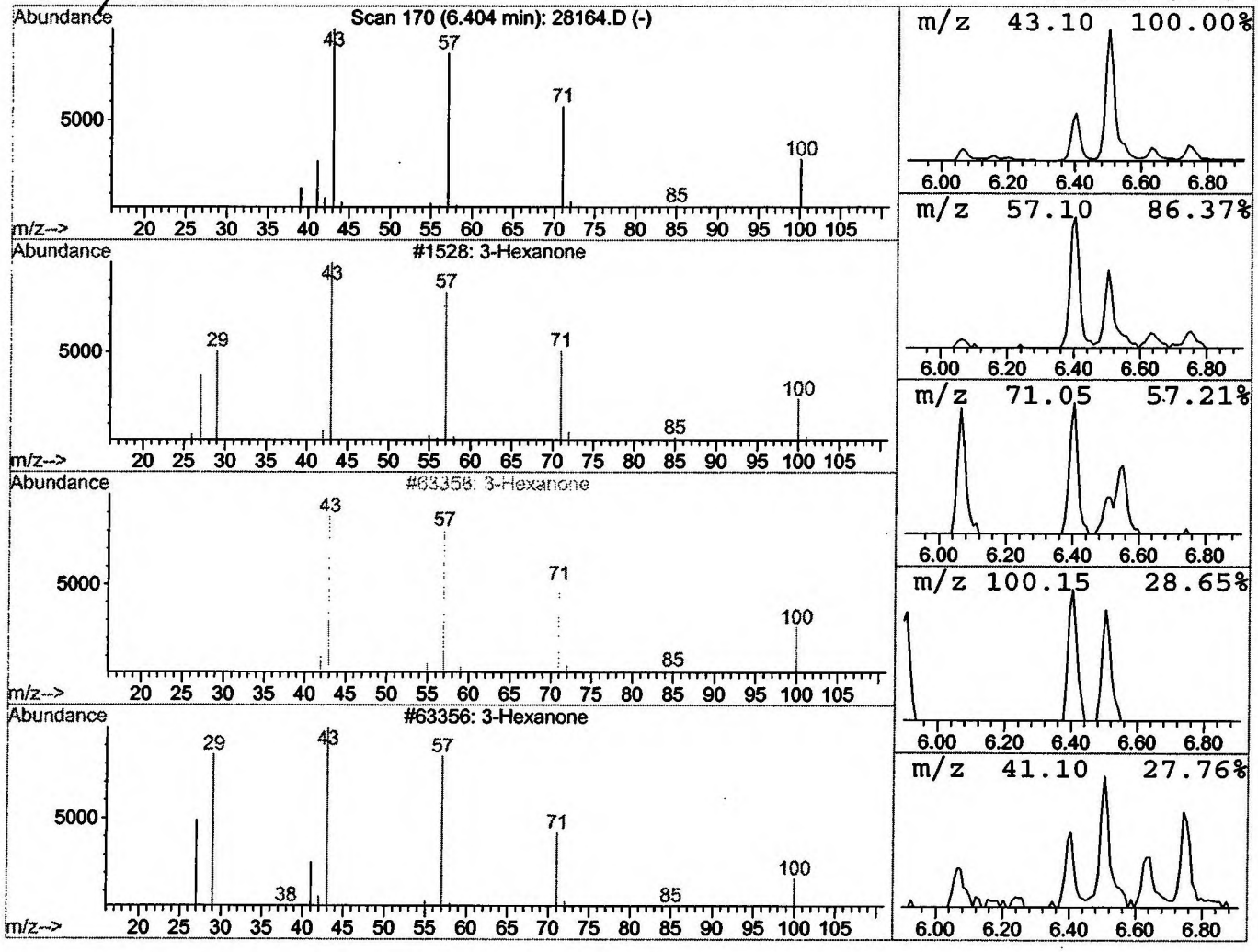
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	0.53 ng/uL	153338	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	3-Hexanone	100	C6H12O	000589-38-8	87
3	3-Hexanone	100	C6H12O	000589-38-8	72
4	3-Hexanone	100	C6H12O	000589-38-8	59



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28164.D
Acq On : 22 Dec 2001 5:46 am
Sample : gcms unknown 11/23
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

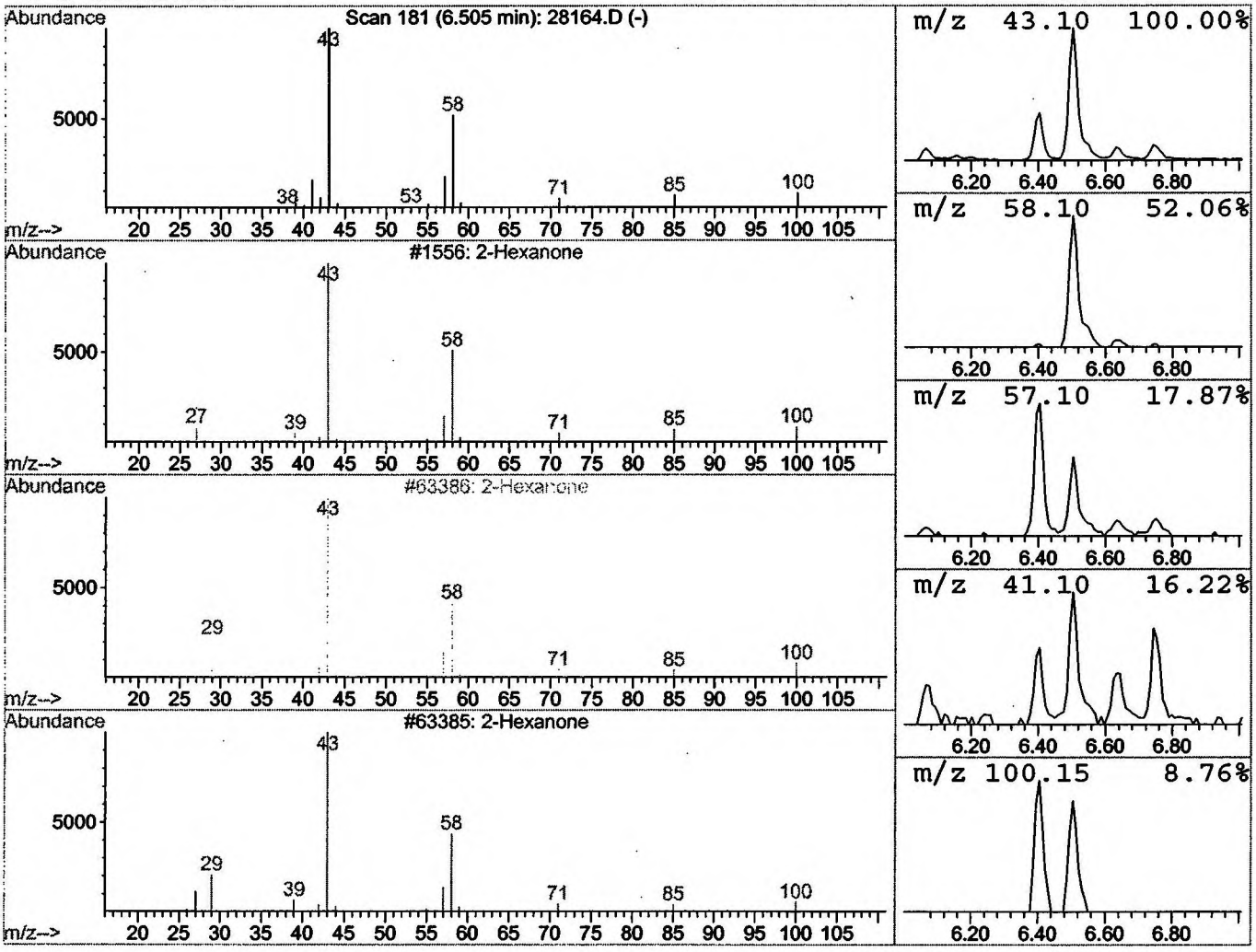
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	1.16 ng/uL	339078	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	91
3	2-Hexanone	100	C6H12O	000591-78-6	91
4	2-Hexanone	100	C6H12O	000591-78-6	91



Library Search Compound Report

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Acq On : 22 Dec 2001 5:46 am Operator: GALOS
Sample : gcms unknown 11/23 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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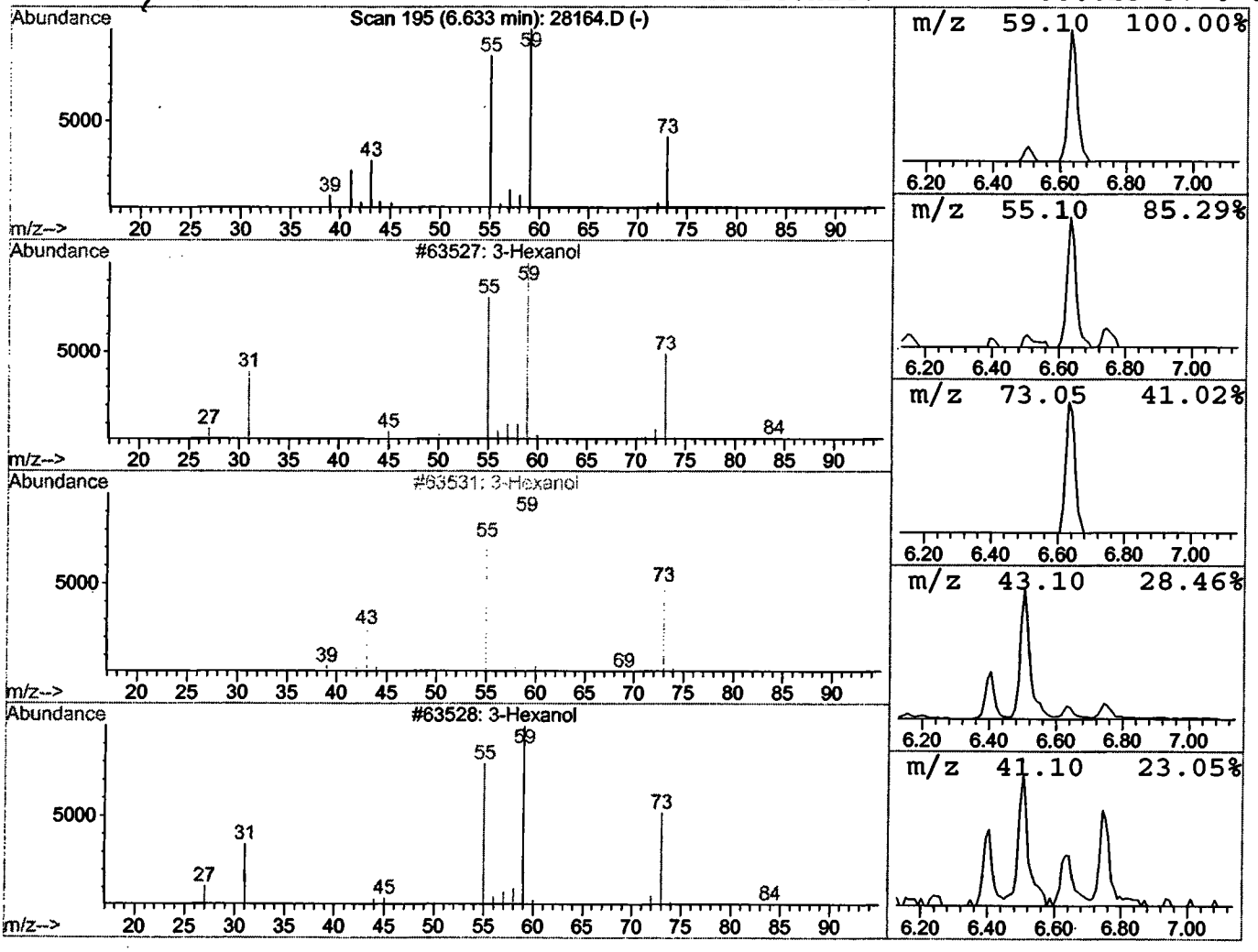
****

Peak Number 3 3-Hexanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	0.42 ng/uL	122847	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	3-Hexanol	102	C6H14O	000623-37-0	83
3	3-Hexanol	102	C6H14O	000623-37-0	83
4	3-Hexanol	102	C6H14O	000623-37-0	83



Library Search Compound Report

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Acq On : 22 Dec 2001 5:46 am
Sample : gcms unknown 11/23
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
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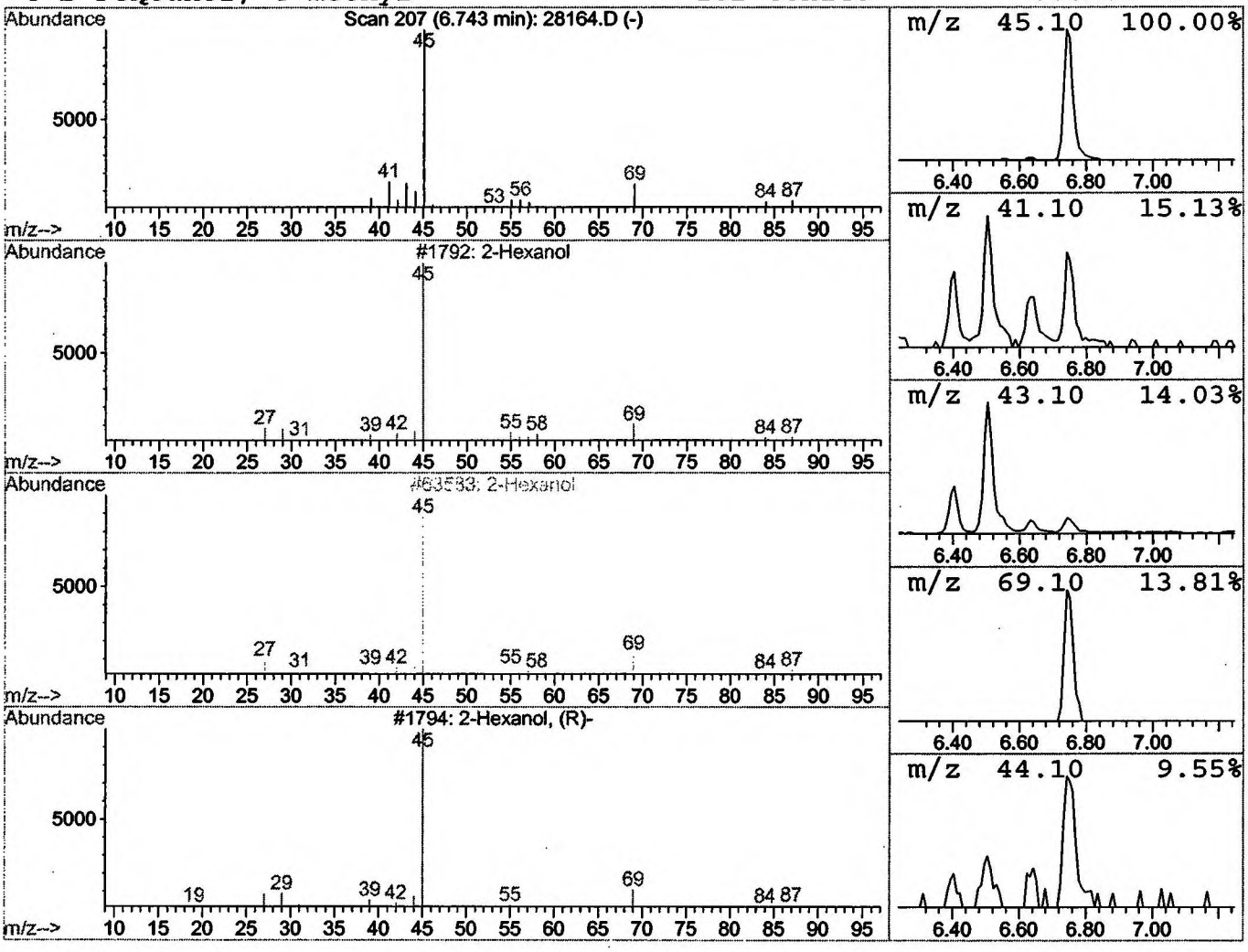
****

Peak Number 4 2-Hexanol — Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	0.69 ng/uL	200995	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Hexanol, (R)-	102	C6H14O	026549-24-6	83
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78



Library Search Compound Report

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MS Integration Params: LSCINT.P

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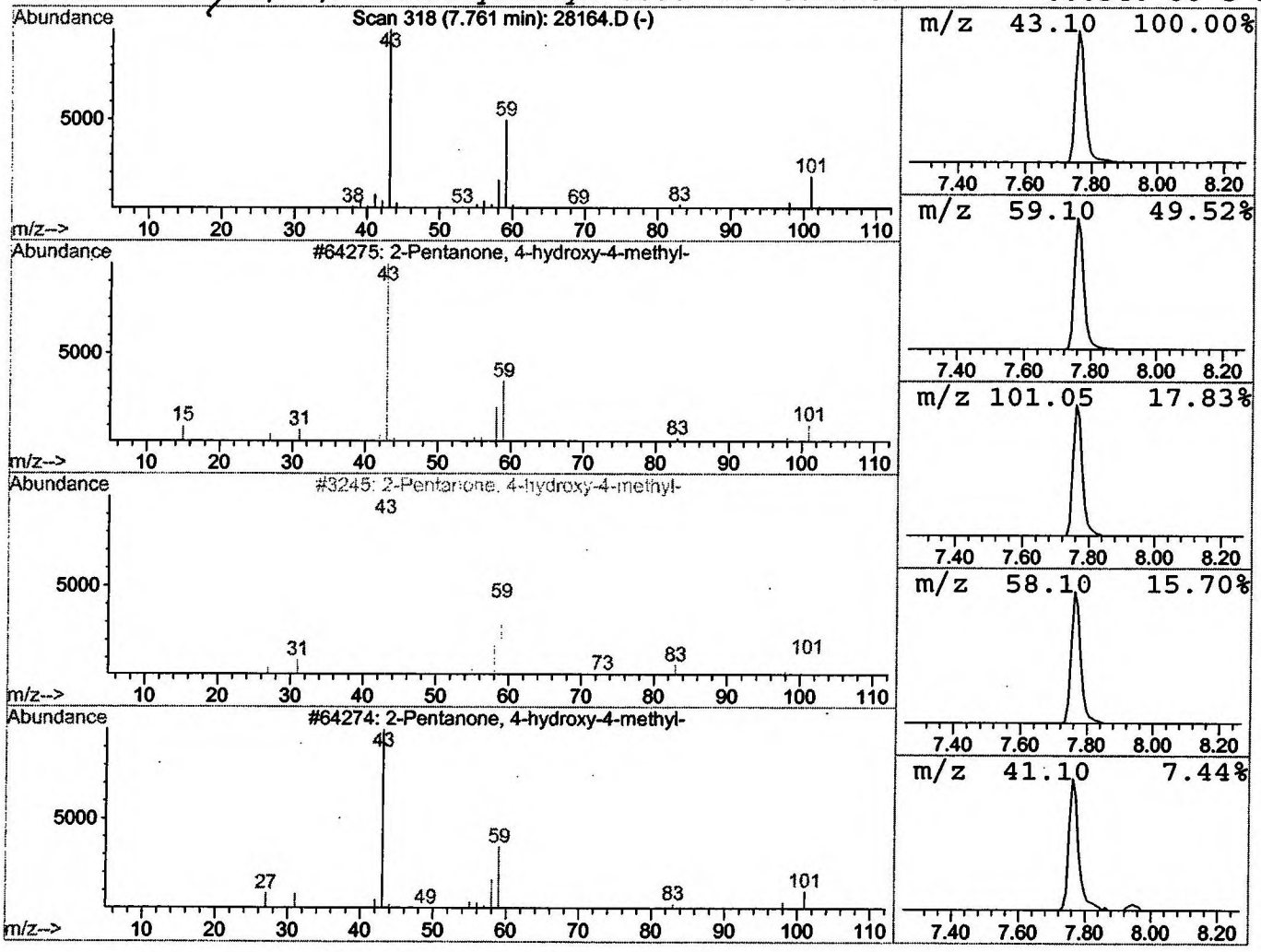
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	5.12 ng/uL	1493060	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



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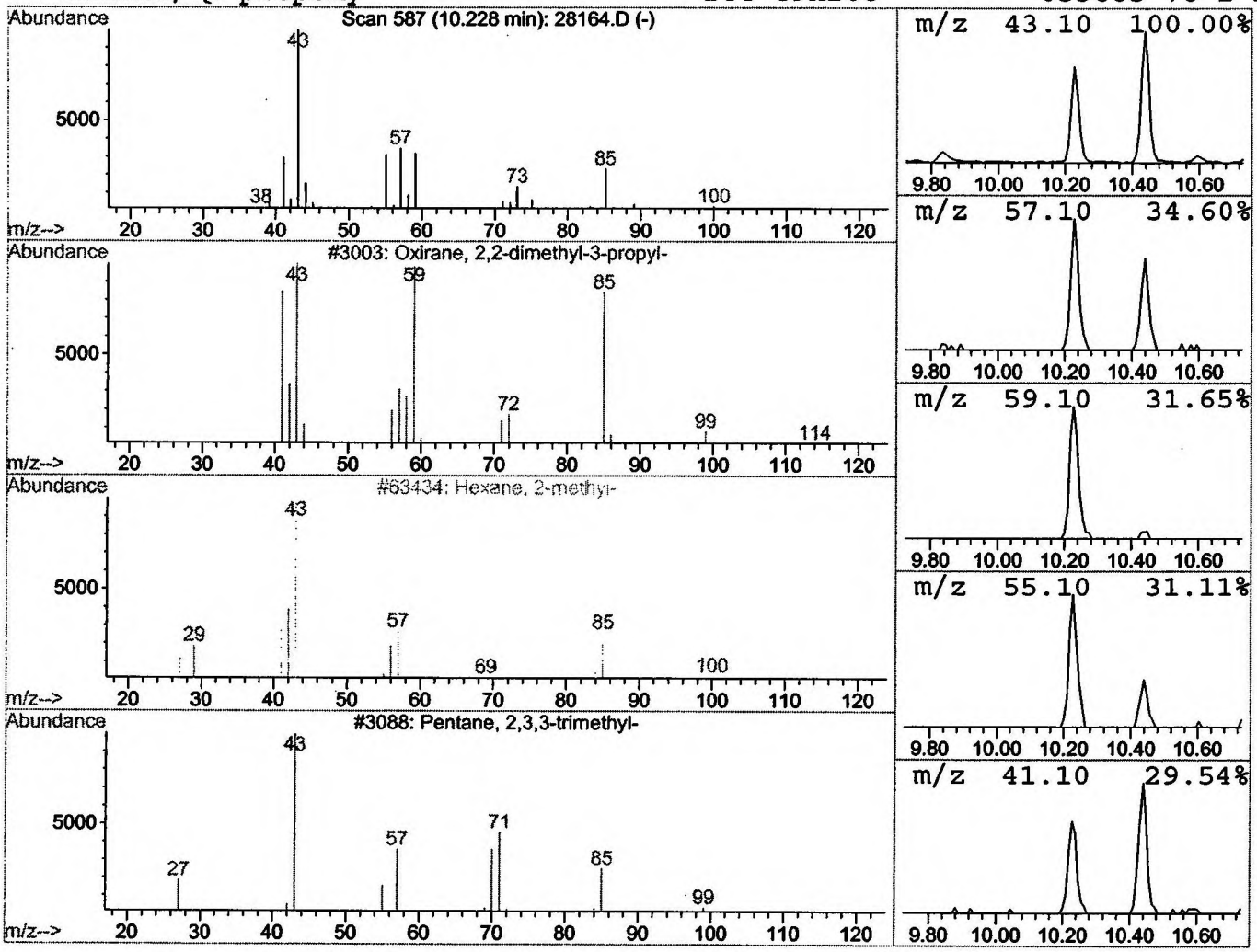
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Oxirane, 2,2-dimethyl-3-propyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	0.84 ng/uL	245534	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2,2-dimethyl-3-propyl-	114	C7H14O	017612-35-0	37
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	25
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	25
4	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	25



Library Search Compound Report

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Sample : gcms unknown 11/23
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

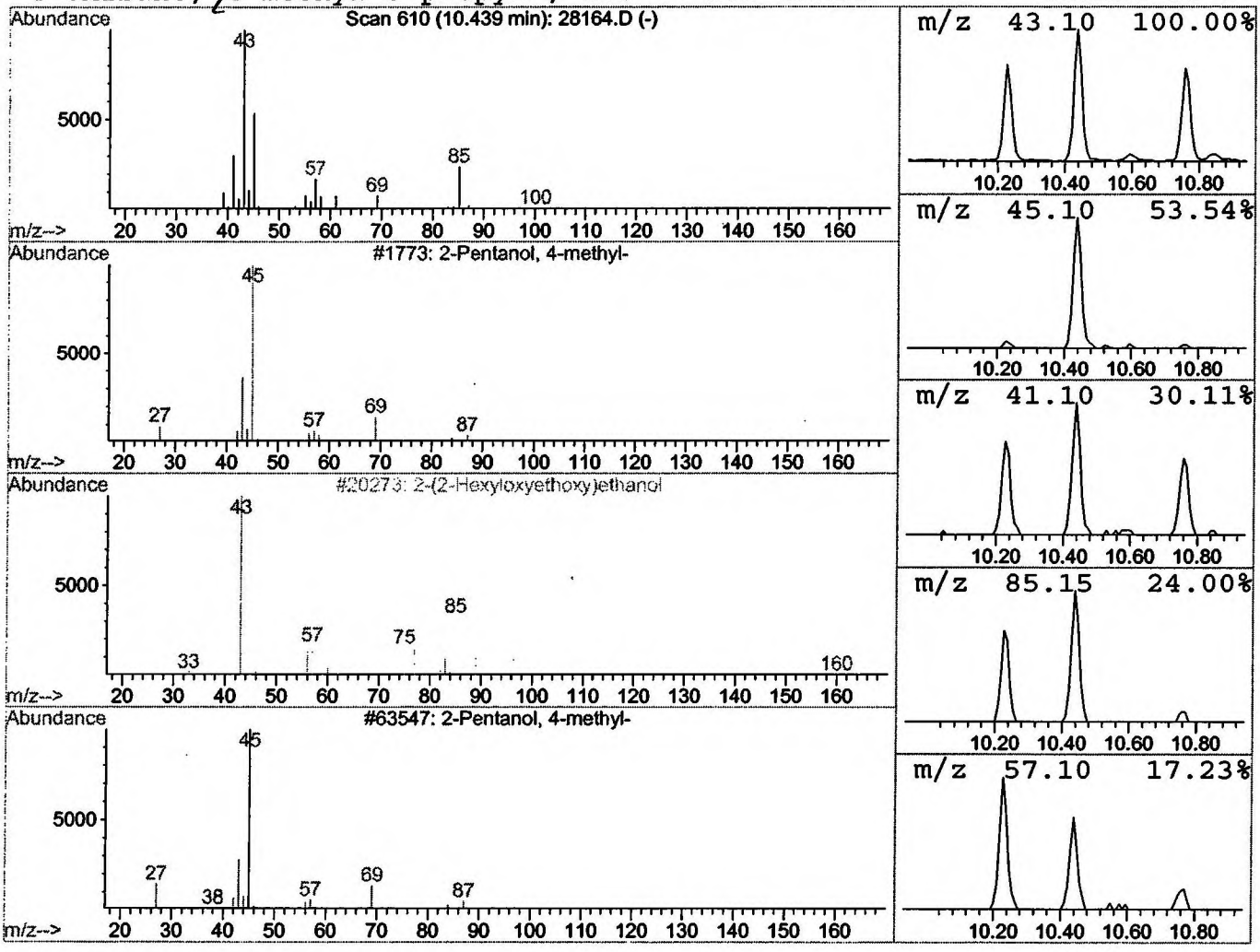
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 2-Pentanol, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	1.05 ng/uL	306842	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	43
2	2-(2-Hexyloxyethoxy)ethanol	190	C10H22O3	000112-59-4	39
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	38
4	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	36



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28164.D
Acq On : 22 Dec 2001 5:46 am
Sample : gcms unknown 11/23
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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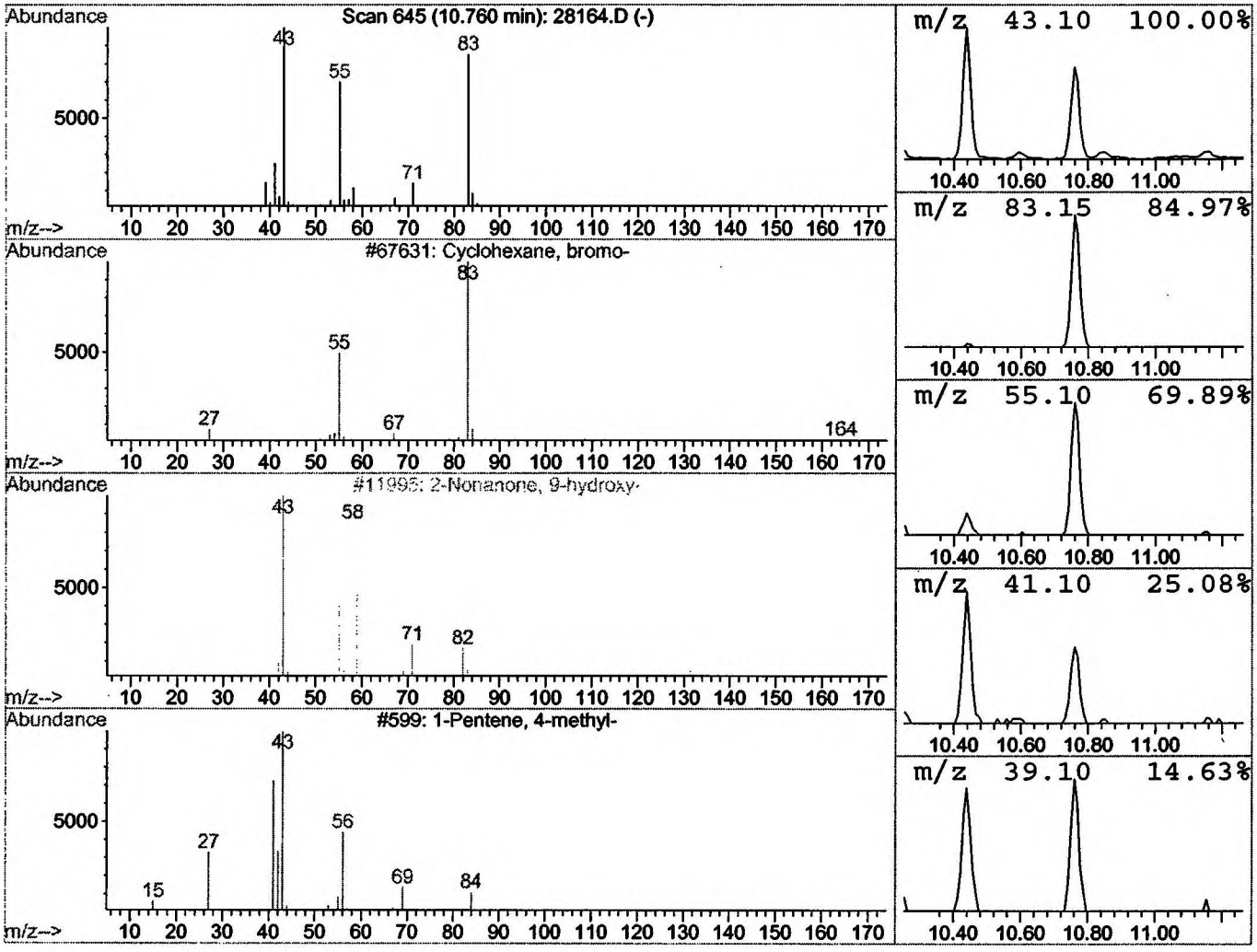
Peak Number 8 Cyclohexane, bromo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	0.93 ng/uL	270070	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	33
2	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	10
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	9
4	Butane	58	C4H10	000106-97-8	9



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 22 Dec 2001 5:46 am
Data File: C:\HPCHEM\1\DATA\DEC2101\28164.D
Name: gcms unknown 11/23
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Hexanone	6.40	0.5	ng/uL	153338	ISTD01	11.79	5826980	20.0
2-Hexanone	6.50	1.2	ng/uL	339078	ISTD01	11.79	5826980	20.0
3-Hexanol	6.63	0.4	ng/uL	122847	ISTD01	11.79	5826980	20.0
2-Hexanol	6.74	0.7	ng/uL	200995	ISTD01	11.79	5826980	20.0
2-Pentanone, 4-hydro	7.76	5.1	ng/uL	1493060	ISTD01	11.79	5826980	20.0
Oxirane, 2,2-dimethy	10.23	0.8	ng/uL	245534	ISTD01	11.79	5826980	20.0
2-Pentanol, 4-methyl	10.44	1.1	ng/uL	306842	ISTD01	11.79	5826980	20.0
Cyclohexane, bromo-	10.76	0.9	ng/uL	270070	ISTD01	11.79	5826980	20.0

28164.D NP112701.M Fri Dec 28 09:56:33 2001